

**South Carolina Science Standards
that correlate with the DHEC *Earth Today* Video Program
and associated lesson plans**

Grade 3:

- (II, C, 2, e) Investigate, communicate, and debate that natural events, natural resources and human influences can affect the survival/extinction of a species. **(P)**
- (II, C, 2, f) Determine how humans impact natural resources (renewable and nonrenewable). **(P)**
- (III, A, 1, h) Give examples of how humans obtain and use earth materials as resources. **(P, T)**

Grade 4:

- (II, B, 3, b) Infer the impact of agricultural technology (e.g., air/land/ water pollution and improved crop yield) on society and the environment. **(T)**

Grade 5:

- (I, B, 1, e) Use mathematical thinking in all aspects of scientific inquiry.
- (I, C, 1, a) Identify a specific need for a product.
- (I, C, 1, b) Determine whether the product will meet that identified need.
- (II, B, 4, e) Draw conclusions about the influence of human activity on ecosystems. **(P)**
- (II, B, 4, f) Discuss ways to minimize the negative impact of technology/industrialization on ecosystems and to maximize the positive impact. **(T)**
- (IV, A, 2, f) Research and identify common pollutants, and their sources, and infer their impact as they relate to water quality, since water is the universal solvent. **(P, N)**

Grade 6:

- (I, A, 8, a) Use mathematics to gather, organize and present data.
- (I, B, 1, a) Identify a specific need for a product.
- (I, B, 1, b) Determine whether the product will meet the identified need.
- (III, A, 1, a) Identify, investigate and explain the processes of condensation, evaporation, precipitation, and runoff using a model or diagram.

Grade 7:

- (I, A, 8, a) Use mathematics to gather, organize and present data.
- (I, B, 1, a) Identify a specific need for a product.
- (I, B, 1, b) Determine whether the product will meet the identified need.
- (III, A, 2, c) Explain why soil (sediments) can be a major pollutant of streams. **(P)**
- (III, A, 3, a) Define groundwater, runoff, drainage divide and drainage basin (watershed).
- (III, A, 3, b) Infer what happens to water that does not soak into the ground or evaporate.
- (III, A, 3, c) Analyze the factors that affect runoff.
- (III, A, 4, a) Infer how air pollution affects people and the environment.
- (III, A, 4, c) Analyze ways air pollution can be reduced.
- (III, A, 7, e) Distinguish between renewable and nonrenewable resources and examine the importance of their conservation. **(P)**
- (III, A, 7, g) Analyze the benefits of solid waste management (reduce, reuse, recycle). **(T, P)**

Grade 8:

- (I, A, 8, a) Use mathematics to gather, organize and present data.
- (I, C, 1, a) Identify a specific need for a product.
- (I, C, 1, b) Determine whether the product will meet the identified need.
- (II, A, 3, b) Explain some of the natural and human-made pressures that can cause extinction.